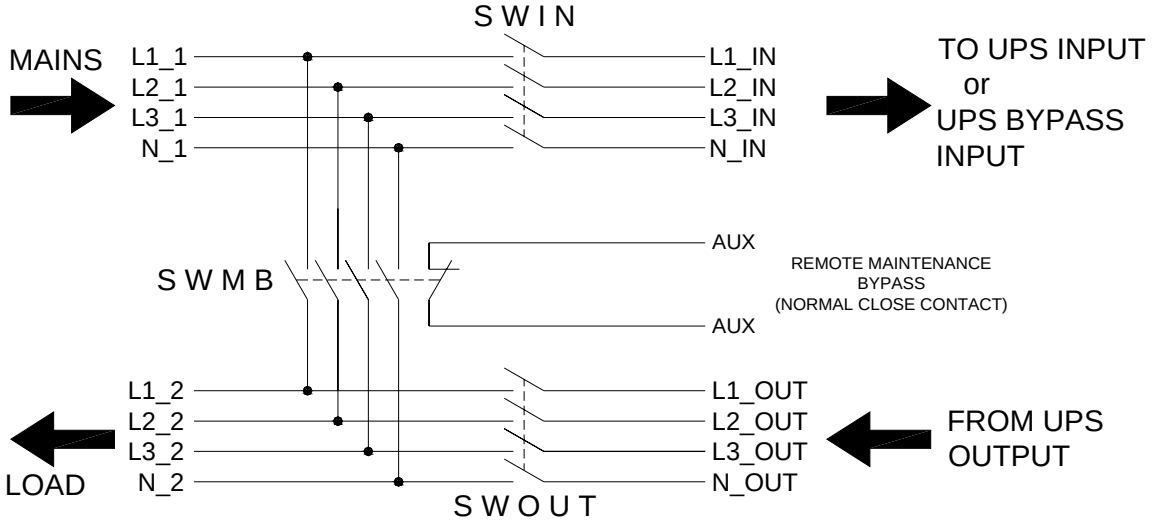
Installation of the electric panel

WARNING: installation must be carried out exclusively by qualified personnel

WIRING DIAGRAM:



NOTE 1: refer to the UPS user manual for choosing the cable section.
NOTE 2: connect the phase to the "L1_xx" terminals and the neutral to the "N_xx" terminals, if the UPS to supply is single phase.
NOTE 3: connect the UPS output phase to L1_OUT and the neutral to N_OUT, if the UPS is three phases input and single phase output; likewise connect the load to L1_2 and N_2.
NOTE 4: connect L1_1, L2_1, L3_1, and N_1 to UPS Bypass mains if the UPS has "separate bypass input", use this line for the connections.

ATTENTION: is absolutely necessary connect the auxiliary terminal contact "remote maintenance bypass" of the SERVICE BYPASS switch (SWMB) to the respective terminals on the UPS. When the SERVICE BYPASS switch closes, this auxiliary contact opens, indicating to the UPS that the SERVICE BYPASS is close. If this connection is not present, during Bypass operation load continuity may not be assured and the UPS could be damaged.

Use of the electric box

NORMAL OPERATION:
With the UPS on, switches SWIN and SWOUT are closed (ON), whereas switch SWMB is open (OFF).
USE OF THE BYPASS SERVICE TO DISCONNECT THE UPS:

1. Switch ON SWMB (SERVICE BYPASS).
2. Switch OFF the UPS (see the user manual of the UPS).
3. Switch OFF SWIN and SWOUT.

The UPS is now electrically disconnected from the mains and from the load.
USE OF THE SERVICE BYPASS TO RE-CONNECT THE UPS:

1. Switch ON SWIN and SWOUT.
2. Switch ON the UPS (see the user manual of the UPS).
3. Switch OFF SWMB (service bypass).

Electrical characteristics

	Three-phase connection	Three-phase input and single-phase output connection	Single-phase connection
Maximum power	40KVA	20KVA	20KVA
Maximum current	100A	100A	100A